

INTEROFFICE MEMORANDUM

Date: September 09, 2004
 To: Arthur L. Williams, Director
 From: Arthur Chang, Environmental Supervisor
 Re: August 2004 FRM PM_{2.5} Monitoring Update Report

This is a report of August 2004 Federal Reference Method (FRM) PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

August 2004

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. & Date</u>	<u>Conc. & Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	43.7 (8/04)	5.8 (8/12)	90.3 %	18.2
Wyandotte	43.5 (8/04)	5.3 (8/12)	96.8 %	18.1
Barret	42.7 (8/04)	6.6 (8/13)	81.8 %	20.7
Watson	29.3 (8/19)	6.4 (8/13)	100.0 %	16.7
Overall				18.3

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

<u>Site Name</u>	Annual Mean(µg/m ³)						Annual Design Values (1999-2001)	Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)
	2004 Year-To-Date	2003	2002	2001	2000	1999				
Southwick/ <i>Firearms Trn</i> ¹	14.7	15.4	17.2	17.1/ 18.7	17.3	17.5	N/A	N/A	N/A	
Wyandotte	14.2	15.2	17.5	17.7	16.7	16.9	17.1 ²	17.3 ²	16.8 ²	
Barret	14.2	15.2	16.3	16.9	16.7	17.2	16.9	16.6	16.1	
Watson	13.0	15.1	15.3	16.3	16.8	15.2	16.1	16.1	15.5	

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.